

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v41)**

1. Solve the equation with factoring by grouping.

$$20x^2 + 15x - 24x - 18 = 0$$

2. Solve the equation.

$$(8x + 7)(5x - 3) = 0$$

3. Factor the expression.

$$49x^2 - 25$$

4. Solve the equation.

$$10x^2 - 28x - 28 = 5x^2 - 2x - 4$$

5. Expand the following expression into standard form.

$$(5x - 9)^2$$

6. Factor the expression.

$$x^2 + 10x + 21$$

7. Expand the following expression into standard form.

$$(5x - 2)(5x + 2)$$

8. Expand the following expression into standard form.

$$(3x + 4)(7x + 6)$$